Name of Work :-Improvements to roads and drains at Bettahalli Colony in ward no:03 of Yelahanka satellite town sub division

EMB

"FIRST AND PART BILL"

Name of Work :-Improvements to roads and drains at Bettahalli Colony in ward no:03 of Yelahanka satellite town sub division

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.								
	Vide Premeasurement page no.					1012.64			
					Present Qty	1012.64	Cum	67.11	67959.38
3	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications								
	Vide Premeasurement page no.					656.58			
					Present Qty	656.58	Cum	2093.87	1374798.15
4	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications								
	Vide Premeasurement page no.					984.87			
					Present Qty	984.87	Cum	2100.54	2068771.72
5	KSRRB M500-6. Providing and applying primer coat with S S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.								
	Vide Premeasurement page no.					4377.22			
					Present Qty	4377.22	Sqm	31.15	136359.72
11	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 226kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications								
	Vide Premeasurement page no.					127.55			
					Present Qty	127.55	Cum	5690.83	725883.38
10	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications								
	Vide Premeasurement page no.					147.96			
					Present Qty	147.96	Cum	225.94	33429.54
12	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications								
	Vide Premeasurement page no.					48.09			
					Present Qty	48.09	Cum	7420.17	356813.95

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
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Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM								
Vide Premeasurement page no.					2.89			
				Present Qty	2.89	**Tn**	77654.86	224051.34
KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2								
Vide Premeasurement page no.					5.69			
				Present Qty	5.69	**Cum**	6031.81	34308.95

Ravi Kumar M
Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer

Name of Work :-Improvements to roads and drains at Bettahalli Colony in ward no:03 of Yelahanka satellite town sub division

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
24	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant,								
	Rajeev Gandhi Layout								
	Cross Road 2								
	From Main Road								
	Ch:0.00m to 15.00m	1	15.00	$\frac{5.10 + 3.85}{2}$	0.15	10.07			
	Ch:15.00m to 30.00m	1	15.00	$\frac{3.85 + 3.20}{2}$	0.15	7.93			
	Ch:30.00m to 34.70m	1	4.70	$\frac{3.20 + 1.20}{2}$	0.15	1.55			
	Cross Road 1								
	From Main Road								
	Ch:0.00m to 8.10m	1	8.10	$\frac{5.05 + 5.25}{2}$	0.15	6.26			
	Ch:8.10m to 23.10m	1	15.00	$\frac{5.25 + 4.00}{2}$	0.15	10.41			
	Ch:23.10m to 25.30m	1	2.20	$\frac{4.00 + 3.15}{2}$	0.15	1.18			
	Madeshwara Layout								
	1st Cross Rd								
	Ch:0.00m to 29.30m	1	29.30	$\frac{4.50 + 4.50}{2}$	0.15	19.78			
	2nd Cross Rd								
	From Main Road								
	Ch:0.00m to 20.60m	1	20.60	$\frac{4.50 + 4.50}{2}$	0.15	13.91			

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Item	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	3rd Cross Rd								
	From Main Road								
	Ch.30.00m to 22.10m	1	22.10	(4.60 + 4.60) / 2	0.15	15.25			
	4th Cross Rd								
	From Main Road								
	Ch:0.00m to 23.50m	1	23.50	(4.70 + 4.70) / 2	0.15	16.57			
					Present Qty	**102.89**	**Cum**		
					Upto 125%	**45.99**	**Cum**	**5469.42**	**251560.00**
					Above 125%	**56.90**	**Cum**	**225.94**	**311208.00**

Asst Exec. Engineer,

Name of Work :-Improvements to roads and drains at Bettahalli Colony in ward no:03 of Yelahanka satellite town sub division

Detailed Measurements

Measurement Recorded On:

Sl No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery.									
	Madeshwara Layout									
	1st Cross Rd									
	Ch:0.00m to 27.80m	LHS	1	27.80	0.75		20.85			
	Ch:0.00m to 27.80m	RHS	1	27.80	0.75		20.85			
	2nd Cross Rd									
	Ch:0.00m to 20.60m	LHS	1	20.60	0.75		15.45			
	Ch:0.00m to 20.50m	RHS	1	20.50	0.75		15.38			
	3rd Cross Rd									
	Ch:0.00m to 22.10m	LHS	1	22.10	0.75		16.58			
	Ch:0.00m to 22.10m	RHS	1	22.10	0.75		16.58			
	4th Cross Rd									
	Ch:0.00m to 23.50m	LHS	1	23.50	0.75		17.63			
						Present Qty	**123.30**	**Sqm**	**2452.68**	**302416.00**

Asst. Exec. Engine

e of Work :-Improvements to roads and drains at Bettahalli Colony in ward no:03 of Yelahanka satellite town sub division

Detailed Measurements

urement Recorded On:

Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge.									
Madeshwara Layout									
1st Cross Rd									
Ch:0.00m to 27.80m	LHS	1	27.80			27.80			
Ch:0.00m to 27.80m	RHS	1	27.80			27.80			
2nd Cross Rd									
Ch:0.00m to 20.60m	LHS	1	20.60			20.60			
Ch:0.00m to 20.50m	RHS	1	20.50			20.50			
3rd Cross Rd									
Ch:0.00m to 22.10m	LHS	1	22.10			22.10			
Ch:0.00m to 22.10m	RHS	1	22.10			22.10			
4th Cross Rd									
Ch:0.00m to 23.50m	LHS	1	23.50			23.50			
Adtiyanagara									
10th Main Rd Dead End									
Ch:0.00m to 30.00m	LHS	1	30.00			30.00			
Ch:30.00m to 60.00m	LHS	1	30.00			30.00			
Ch:60.00m to 90.00m	LHS	1	30.00			30.00			
Ch:90.00m to 120.00m	LHS	1	30.00			30.00			
						284.40	**M**		
						Present Qty **632.00**	**Nos**	**453.89**	**286858.00**

13/10/2021

Asst. Exec. Enginee

Name of Work :-Improvements to roads and drains at Bettahalli Colony in ward no:03 of Yelahanka satellite town sub division

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications									
	Madeshwara Layout									
	1st Cross Rd									
	Ch:0.00m to 27.80m	LHS	1	27.80		0.30	8.34			
	Ch:0.00m to 27.80m	RHS	1	27.80		0.30	8.34			
	2nd Cross Rd									
	Ch:0.00m to 20.60m	LHS	1	20.60		0.30	6.18			
	Ch:0.00m to 20.50m	RHS	1	20.50		0.30	6.15			
	3rd Cross Rd									
	Ch:0.00m to 22.10m	LHS	1	22.10		0.30	6.63			
	Ch:0.00m to 22.10m	RHS	1	22.10		0.30	6.63			
	4th Cross Rd									
	Ch:0.00m to 23.50m	LHS	1	23.50		0.30	7.05			
	Adtiyanagara									
	10th Main Rd Dead End									
	Ch:0.00m to 30.00m	LHS	1	30.00		0.30	9.00			
	Ch:30.00m to 60.00m	LHS	1	30.00		0.30	9.00			
	Ch:60.00m to 90.00m	LHS	1	30.00		0.30	9.00			
	Ch:90.00m to 120.00m	LHS	1	30.00		0.30	9.00			
							Present Qty	**85.32**	**Sqm**	**89.00**	**7594.00**
								Total			**6182016.00**
								GST 12%			**741841.92**
								Grand Total			**6923857.92**

Asst. Exec. Engineer,